

To: Sean Sheldrake/R10/USEPA/US@EPA;Mark Ader/R10/USEPA/US@EPA[]; ark Ader/R10/USEPA/US@EPA[]
From: "Peterson, Lance"
Sent: Tue 6/19/2012 7:49:47 PM
Subject: FW: FW: pcb's, dioxin, BAP for T4
[T4-Riverbank Screening Tables.pdf](#)
<http://www.epa.gov/region10/dive>
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<http://204.47.216.153:9876/r10/infopage/cleanup.nsf/webpage/DSBtechdirector>
<http://www.epa.gov/region10/portlandharbor>
<http://yosemite.epa.gov/R10/extaff.nsf/programs/greencleanups>
<http://204.47.216.153:9876/r10/infopage/cleanup.nsf/webpage/greener+cleanups>
<http://204.47.216.153:9876/r10/infopage/cleanup.nsf/webpage/H&SecI>
<http://yosemite.epa.gov/r10/extaff.nsf/Homepage/Visiting+Seattle>
<mailto:Sheldrake.Sean@epamail.epa.gov>
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<http://204.47.216.153:9876/r10/infopage/cleanup.nsf/webpage/H&SecI>
<http://yosemite.epa.gov/r10/extaff.nsf/Homepage/Visiting+Seattle>

Sean and Mark,

CDM reviewed available documentation for T4 regarding the criteria used to evaluate riverbank soil samples for the Phase I Removal Action. During the RI for the T4 facility, the banks of the site were examined for exposed surface soil that had the potential to be eroded and transported to the river. Composite sampling of surface soil was conducted in the potentially erodible riverbank areas. As a part of the ecological and human health risk assessments conducted as part of the RI (RI Report, Appendix A [BBL/Ash Creek/Newfields 2006]), analytical data for potentially erodible riverbank soil were compared against JSCS screening levels for toxicity (PECs) and bioaccumulation (DEQ Bioaccumulative Screening Level Values) from Table 3-1 of DEQ/EPA (2005), and against human health screening levels (EPA Region 9 Preliminary Remediation Goals).

The 2006 RI Report was not available for review; however, the "Source Control Alternative Evaluation, Terminal 4 Slip 1 Upland Facility, Operable Unit 2" Report (Ash Creek Associates, February 2007) was available for review and it contained the riverbank soils screening tables from the RI Report. These tables are attached for your reference.

Lance

From: Sean Sheldrake [mailto:Sheldrake.Sean@epamail.epa.gov]

Sent: Monday, June 18, 2012 7:36 AM
To: Peterson, Lance
Cc: Mark Ader
Subject: Re: FW: pcb's, dioxin, BAP for T4

Thanks Lance. I think Mark is also looking for riverbank PRGs that we used for T4 if possible. Can you get those to him as well for less than 4 LOE?

S

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From: "Peterson, Lance" <PetersonLE@cdmsmith.com>
To: Sean Sheldrake/R10/USEPA/US@EPA
Date: 06/18/2012 06:50 AM
Subject: FW: pcb's, dioxin, BAP for T4

Sean, I sent the attached response to Mark regarding the Triangle Park screening level request. I'm not sure if it met Mark's needs; CDM can provide follow-up help as needed.

Lance

From: Peterson, Lance
Sent: Tuesday, June 12, 2012 3:56 PM

To: Mark Ader
Subject: FW: pcb's, dioxin, BAP for T4

Mark,

The T4 Phase I removal was an early action and appears to have identified areas for removal by looking at PEC exceedance ratios in surface sediments. For the upcoming T4 maintenance dredging we have not established a formal screening level yet. CDM did look at existing T4 data by extracting from the Baseline Ecological Risk Assessment database dated June 15, 2011. The sediment results were compared to the Sediment Quality Guidelines (SQG) freshwater screening level 2 from the Sediment Evaluation Framework for the Pacific Northwest, dated September 30, 2006, to determine if there were potential concerns. We may also end up looking at EPA's March 2010 PRG table (see attached). The LWG pulled PRGs into the FS in Section 3 (see Table 3.5-2 in the FS). I hope this is a start to answer your question. Please let me know if I have not provided what you are looking for. If you would like to discuss verbally I can be reached at 425-519-8382.

Lance

From: Sean Sheldrake [mailto:Sheldrake.Sean@epamail.epa.gov]
Sent: Thursday, June 07, 2012 12:51 PM
To: Peterson, Lance
Cc: ader.mark@epa.gov
Subject: pcb's, dioxin, BAP for T4

Lance, Could you give Mark a run down of screening levels we used for the EA at T4 and those we will be using for review of the maintenance dredging? He wanted to make sure levels he is using at Triangle Park are comparable until we have final harborwide values, say 4 LOE or less?

Thanks

S

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